

STATEMENT OF WORK
SOLICITATION N00167-03-Q-0294

TITLE: Corrosion Engineering: Composite Component Installation

1.0 TASK EFFORT SCOPE

The subject requisition calls for services to provide engineering and technical services to: support the installation and evaluation of composite valves, composite weather-deck electrical enclosures, and inboard composite deck drains, in various shipboard areas, upon US Navy in-service combatants, and support the evaluation of the development of composite fresh air vent plenums for corrosion mitigation at the ship's side-shell interface.

The primary purpose of this Order is to support the installation and evaluations of developing composite systems under test and evaluation by NAVSEA 05M/N and Carderock Division by conducting in-service assessments of previous installations, sponsored by the ERM-7 Capital Improvement for Labor initiatives, and complete Phase III of a composite deck drain development, through installation and in-service assessment.

The assessment will be in the form of ship-checks, Ship's Force queries and surveys, departure from specification actions, and written summaries of the findings.

The contractor shall:

- Develop the proper documentation and initiate the process for approval with Fleet maintenance interface activities such as Supervisor of Shipbuilding & Repair and
- Fabricate required components and mounting hardware to facilitate the installation of composite component(s).
- Remove existing component, attachments, fasteners and associated hardware.
- Grind and smooth the local areas disturbed by removals.
- Feather existing paint disturbed by removals.
- Cut out and remove interferences.
- Trim and fit composite material if required.
- Install the new composite component(s).
- Preserve disturbed areas, new mounting hardware and welded areas with high solids AC paints.

- Develop and update ships drawings and specifications.
- Update material history documentation and support the initiation of alteration requests.

2.0 APPLICABLE DOCUMENTATION

- 2.1 NAVSEA Standard Items 009-32
- 2.2 MIL-STD 1689A (SH) Fabrication, Welding and Inspection of Ship Structures
- 2.3 S9086-VD-STM-010 CHAPTER 631 (PRESERVATION)

3.0 TECHNICAL REQUIREMENTS

- 3.1 Welders certified in accordance with Military Standards will accomplish all welding (paragraph 2.2).
- 3.2 All hardware shall be made of aluminum or stainless steel to match the surrounding ship's structure.
- 3.3 All painting shall be accomplished in accordance with paragraph 2.1 and 2.3 Above.

4.0 DELIVERABLES

The contractor shall provide the following deliverable items:

- 4.1 Fabricated and installed composite components, including mounting hardware, and valves as contracted
- 4.2 Bimonthly Progress Report (**CDRL Data Item A001**) to include the following:
 - a. Material logistic support history in support of departure from specification or cost.
 - b. Report of In-service assessments of previous installations (as tasked).
- 4.3 Phase III Final Report (**CDRL Data Item A002**).

5.0 PLACE OF PERFORMANCE

The Contractor will perform this effort at Naval Base, San Diego, but alternate location(s) designated by NAVSEA 05M or Carderock Division, Code 655 may be possible. Contractor is required to apply for and secure the proper access with the NAVSEA San Diego SECURITY, C-190, 3600 Surface Navy Boulevard, Building 77, San Diego, CA 92136-5066 Security.

6.0 EVALUATION FACTORS

The award made from this solicitation is going to be based on a best value assessment. The contractor's response and shall include:

- Past Performance - include a summary of past performance based on: similar task experience, customer satisfaction, contract compliance, quality of product, cost control, and documentation support. Include the contract number, date of award, dollar amount of award, issuer of contract, and the name and telephone number of a point of contact for each contract summary provided as a reference. Issuers may be contacted as part of the evaluation process.
- Key Personnel Requirements - Contractor shall include resumes of the key personnel that are adequate to staff the effort. Offerors are required to submit the information identified in the solicitation provision entitled, "RESUME REQUIREMENTS" for each key person whose resume is submitted.

7.0 GOVERNMENT FURNISHED MATERIAL

Government furnished material is not anticipated in the performance of this purchase order.

8.0 REIMBURSEMENT OF TRAVEL AND RELOCATION COSTS

All travel performed in support of this delivery order shall be done in accordance with the Joint Travel Regulations (JTR) Volume II for civilian employees. Costs for transportation, lodging, meals and incidental expenses incurred by contractor personnel on official company business are allowable subject to the limitations in FAR 31.205-46.

9.0 PERIOD OF PERFORMANCE

This effort is scheduled to be completed by 31 December 2003.